

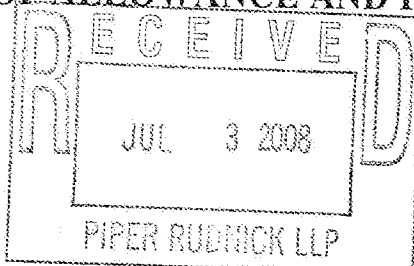


UNITED STATES PATENT AND TRADEMARK OFFICE

313449P0005 P1

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1350
Alexandria, Virginia 22313-1450
www.uspto.gov

NOTICE OF ALLOWANCE AND FEE(S) DUE



DOCKETED

Formal Draw: Issue Fee

MC 7.3.08
9.28.08

EXAMINER

STRANGE, AARON N

ART UNIT

PAPER NUMBER

2153

DATE MAILED: 06/25/2008

COPY

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/085,755	05/27/1998	FRAMPTON ERROLL ELLIS, III	GNC12US	7351

TITLE OF INVENTION: PERSONAL AND SERVER COMPUTERS HAVING MICROCHIPS WITH MULTIPLE PROCESSING UNITS AND
INTERNAL FIREWALLS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	09/25/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

... If the status is the same, pay the TOTAL FEE(S) DUE shown above.

... If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

I. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: **Mail** Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
 or **Fax** (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

47604 7590 06/25/2008

DLA PIPER US LLP
 P. O. BOX 9271
 RESTON, VA 20195

Certificate of Mailing or Transmission

I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/085,755	05/27/1998	FRAMPTON ERROLL ELLIS, III	GNC12US	7351

TITLE OF INVENTION: PERSONAL AND SERVER COMPUTERS HAVING MICROCHIPS WITH MULTIPLE PROCESSING UNITS AND INTERNAL FIREWALLS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	YES	\$720	\$300	\$0	\$1020	09/25/2008

EXAMINER	ART UNIT	CLASS-SUBCLASS
STRANGE, AARON N	2153	709-201000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 _____
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 _____
- 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☐ Corporation or other private group entity ☐ Government

a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies _____

4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number _____ (enclose an extra copy of this form).

4. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
- ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature _____

Date _____

Typed or printed name _____

Registration No. _____

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/085,755	05/27/1998	FRAMPTON ERROLL ELLIS, III	GNC12US	7351

47604 7590 06/25/2008
DLA PIPER US LLP
P. O. BOX 9271
RESTON, VA 20195

EXAMINER

STRANGE, AARON N

ART UNIT	PAPER NUMBER
----------	--------------

2153

DATE MAILED: 06/25/2008

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.

09/085,755

Examiner

AARON STRANGE

Applicant(s)

ELLIS, III, FRAMPTON ERROLL

Art Unit

2153

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to supplemental amendment filed 3/19/08.
2. ☒ The allowed claim(s) is/are 9, 10, 12-18, 20, 22, 25-27, 30-42, 53, 55-57, 61-64 and 66-103 (now renumbered 1-73).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date See Continuation Sheet
- ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
- ☐ Notice of Informal Patent Application
- ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
- ☒ Examiner's Amendment/Comment
- ☒ Examiner's Statement of Reasons for Allowance
- ☐ Other _____

Continuation of Attachment(s) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date:
19990217; 19990512; 20000607; 20010209; 20010307; 20010316; 20071228; 20080312.

Response to Amendment

1. The supplemental amendment filed 3/19/2008 has been entered.
2. The amendments and remarks filed 1/28/2008 are sufficient to overcome the rejections under 35 U.S.C. § 112, set forth in the Office action of 12/12/07. Accordingly, those rejections have been withdrawn.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Lisa Norton (Reg. No. 44,977) on 6/5/08.

The application has been amended as follows:

REPLACE THE ABSTRACT WITH:

ABSTRACT OF THE DISCLOSURE

A system comprising a personal computer configured to operate with another computer connected to a network of computers. The personal computer includes a microchip having a microprocessor with a control unit and at least two processing units,

the control unit being configured to allow a user of the personal computer to control the two processing units, and the microchip including a power management component. The personal computer includes an internal firewall configured to allow and/or deny access to portions of the microchip both to the user of the personal computer and to a user of the microchip from the network of computers during a shared use of the microchip; and the internal firewall is configured to deny access to portions of the microchip from the network of computers.

Terminal Disclaimer

4. The terminal disclaimers filed on 1/28/2008 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of the following patent(s) and/or application(s) have been reviewed and is accepted. The terminal disclaimers have been recorded.

US Patent No. 7,035,906

US Patent No. 6,167,428

US Patent No. 7,047,275

US Patent Application No. 09/935,779

Drawings

5. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because the drawings are informal and difficult to read. Applicant is advised

Art Unit: 2153

to employ the services of a competent patent draftsman outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Allowable Subject Matter

6. Claims 9, 10, 12-18, 20, 22, 25-27, 30-42, 53, 55-57, 61-64 and 66-103 (now renumbered 1-73) are allowed.

7. The following is an examiner's statement of reasons for allowance. These reasons for allowance should not be interpreted to imply that limitations not specifically mentioned are immaterial to patentability. The specific limitations identified below have been considered in combination with the entirety of the claim in determining patentability.

The prior art of record fails to disclose or fairly suggest a system comprising a personal computer (or server computer) with at least one microchip and at least one internal firewall configured to allow and/or deny access to *portions* of the at least one microchip *both* to a user of the personal computer and a user of the microchip from a network to which the computer is connected, during a shared use of the microchip.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

Art Unit: 2153

accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to AARON STRANGE whose telephone number is (571)272-3959. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glen Burgess can be reached on 571-272-3949. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Glenton B. Burgess/
Supervisory Patent Examiner, Art Unit 2153

/A. S./
Examiner, Art Unit 2153

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known

Application Number	09/085,755
Filing Date	May 27, 1998
First Named Inventor	Frampton E. Ellis, III
Art Unit	2153
Examiner Name	STRANGE, Aaron
Attorney Docket Number	313449-P0005 P1

Sheet	1	of	2
-------	---	----	---

[illegible]

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁸
		Country Code ² Number ⁴ Kind Code ³ (<i>if known</i>)				
Examiner Signature				Date Considered		

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

REST1\608701.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.S./

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/085,755
		Filing Date	May 27, 1998
		First Named Inventor	Frampton E. Ellis, III
		Art Unit	2153
		Examiner Name	STRANGE, Aaron
		Attorney Docket Number	313449-P0005 P1
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Office Action issued in related Application No. 09/935,779 mailed February 19, 2008.	
Examiner Signature	/Aaron Strange/		Date Considered 06/03/2008

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

REST1608701.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.S./

PTO/SB/08a (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	09/085,755
		Filing Date	May 27, 1998
		First Named Inventor	Frampton E. ELLIS, III
		Art Unit	2153
		Examiner Name	STRANGE
		Attorney Docket Number	313449-P0005 P1
Sheet	1	of	2

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			
		US -			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
Examiner Signature				Date Considered		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

REST1605511.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.S./

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/085,755		
		Filing Date	May 27, 1998		
		First Named Inventor	Frampton E. ELLIS, III		
		Art Unit	2153		
		Examiner Name	STRANGE		
Sheet	2	of	2	Attorney Docket Number	313449-P0005 P1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		David PESCOVITZ, "Power of the PC", Scientific American, pp. 27-28 (April 2000)	
		Stephen H. WILDSTROM, "The Problem with Firewalls", Business Week, pp. 25 (March 20, 2000)	
		J. McH., "Build Your Own Supercomputer", FORBES, pp. 228 (November 15, 1999)	
		Office Action issued in related copending Application No. 09/884,041, mailed December 12, 2007	
Examiner Signature	/Aaron Strange/		Date Considered 06/03/2008

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

REST1605511.1

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /A.S./

Atty.
Dkt. No.

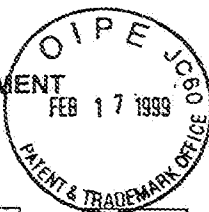
M#

Client Ref.

241552

GNC12US

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**



Applicant:

Ellis, III

Appln. No.: 09/085,755

Filing Date: May 27, 1998

Examiner: Unknown

Group Art Unit: 2781

Date: February 17, 1999

Page 1 of 3

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
B.E.	AR 5,381,534	01/1995	Shi			
B.E.	BR 5,392,400	02/1995	Berkowitz et al.			
B.E.	CR 5,426,741	06/1995	Butts, Jr. et al.			
B.E.	DR 5,550,984	08/1996	Gelb			
B.E.	ER 5,615,127	03/1997	Beatty et al.			
B.E.	FR 5,666,484	09/1997	Orimo et al.			
B.E.	GR 5,761,507	06/1998	Govett			
	HR					
	IR					
	JR					

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract	Translation Readily Available
							Enclosed	No
	KR EP 0 840216A2	05/1998	Europe	Chung et al.				
	LR							
	MR							
	NR							
	OR							
	PR							
	QR							
	RR							
	SR							
	TR							

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

B.E.	UR	Litzkow, et al., "Condor-A Hunter of Idle Workstations", 1988 IEEE, pp. 104-111				
B.E.	VR	Theimer, et al., "Finding Idle Machines in a Workstation-Based Distributed System", IEEE Transactions on Software Engineering, November, 1989, Vol. 15, No. 11, pp. 1444-1458				
B.E.	WR	Brown et al., Special Edition Using Netscape™ 2 Second Edition, Que Corporation, 1995, Ch. 1-2				
B.E.	XR	Gilder, "Angst and Awe on the Internet by George Gilder", Forbes ASAP, December 4, 1995				
B.E.	YR	Tandiary, et al., "Batrun: Utilizing Idle Workstations for Large-Scale Computing", IEEE Parallel & Distributed Computing, Summer 1996, pp. 41-48				
B.E.	ZR	Brisbin, "Shopping for Internet access", MacUser, December, 1994, v.10, n12, p. 133(2)				

Examiner *Bradley Edman*

Date Considered: 11/0/99

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PT0-1449 (modified)
To: U.S. Department of Commerce
(PM&S FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.

241552

GNC12US

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: Ellis, III

Appln. No.: 09/085,755

Filing Date: May 27, 1998

Date: February 17, 1999

Page 2 of 3

Examiner: Unknown

Group Art Unit: 2781

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS								English Abstract		Translation Readily Available	
		Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	Enclosed	No	Enclose	No
	KR										
	LR										
	MR										
	NR										
	OR										
	PR										
	QR										
	RR										
	SR										
	TR										

OTHER (including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

B.E.	UR	Gilder, George, "The Bandwidth Tidal Wave", Forbes ASAP, December 5, 1994				
B.E.	VR	N/A, "Special Report - Wonder Chips", Business Week, July 4, 1994				
B.E.	WR	N/A, "Supercomputers Divide and conquer", The Economist, December 14, 1996				
B.E.	XR	N/A, "Cyber View World Wide Widgets", Scientific American, May, 1997, p. 48				
B.E.	YR	Gibbs, "Bandwidth, Unlimited", Scientific American, January, 1997, p. 41				
B.E.	ZR	Markoff, "A New Standard to Govern PC's With Multiple Chips, Work Stations Mimicking Supercomputers", The New York Times, October 28, 1997				

Examiner Budley Edman

Date Considered: 11/10/99

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PM&S FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.

241552

GNC12US

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: Ellis, III

Appln. No.: 09/085,755

Filing Date: May 27, 1998

Date: February 17, 1999

Page 3 of 3

Examiner: Unknown

Group Art Unit: 2781

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					

FOREIGN PATENT DOCUMENTS

		Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	Abstract		Readily Available	
								Enclosed	No	Enclose	No
	KR										
	LR										
	MR										
	NR										
	OR										
	PR										
	QR										
	RR										
	SR										
	TR										

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

BE	UR	N/A, "Aliens on your desktop", The Economist, April 18, 1998, p. 78.								
	VR									
	WR									
	XR									
	YR									
	ZR									

Examiner *Brendy Schauer*

Date Considered: 11/10/99

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Atty.
Dkt. No.

M#

Client Ref.

241552

Applicant: ELLIS

Appln. No.: 09/085,755

Filing Date: May 27, 1998

Examiner: G. Burgess

Group Art Unit: 2757

INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

Date: May 12, 1999

Page 1 of 1

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
B.E.	AR 5,828,833	10/1998	BELVILLE et al.	395	187.01	08/15/1996
B.E.	BR 5,826,014	10/1998	COLEY et al.	395	187.01	02/06/1996
B.E.	CR 5,291,494	03/1994	BRUCKERT et al.	371	11.3	11/18/1992
	DR					
	ER					
	FR					
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					
	MR					
	NR					

FOREIGN PATENT DOCUMENTS

Document Number	Date MM/YYYY	Country	Inventor Name	Class	SubClass	English Abstract	Translation Readily Available
						Enclosed	No
OR							
PR							
QR							
RR							
SR							
TR							
UR							
VR							
WR							
XR							

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

B.E.	YR	Hare et al., "Master the Complexities of Network Security", <u>Internet Firewalls and Network Security</u> , Second Edition, pp. 325-350 and 516 Date Unknown
	ZR	
	AAR	
	BBR	
	CCR	
	DDR	

Examiner *Bradley Stehman*

Date Considered: 11/10/99

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PM&S FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.

241552

GNC121

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: ELLIS III, Frampton E.

Appln. No.: 09/085,755

Filing Date: May 27, 1998

Examiner: B. Edelman

Group Art Unit: 2757

Date: June 7, 2000

Page

1

of

1

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
BE	AR 5,978,829	11/1999	Chung et al.			
BE	BR 5,748,489	05/1998	Beatty et al.			
BE	CR 5,696,902	12/1997	Leclercq et al.			
BE	DR 5,349,682	09/1994	Rosenberry			
BE	ER 5,845,074	12/1998	Kobata			
BE	FR 5,680,548	10/1997	Trugman			
	GR					
	HR					
	IR					
	JR					
	KR					
	LR					

FOREIGN PATENT DOCUMENTS

Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
MR				Enclosed	No

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

BE	NR	Geoffrey C. Fox and Wojtek Furmanski, Petaops and Exaops: Supercomputing on the Web, "IEEE INTERNET COMPUTING," Vol. 1, Number 2 March-April 1997, pgs. 38-46.			
BE	OR	Kivanc Dincer and Geoffrey C. Fox, Building a World-Wide Virtual Machine Based on Web and HPC Technologies, "STUDENT TECHNICAL PAPERS," http://www.supercomp.org/sc96/proceedings/SC96PROC/DINCER/INDEX.HTM pgs. 1-18. Date Unknown			
BE	PR	Steven M. Bellovin and William R. Cheswick, Network Firewalls, "IEEE Communications Magazine 1994," pgs. 50-57.			
BE	QR	Weiyi et al., "Java-to-Go - Itinerative Computing Using Java," September 10, 1996 http://ptolemy.eecs.berkeley.edu/dgm/javatools/java-to-go/			
	RR				
	SR				
	TR				
	UR				

Examiner *Bradley Edelman*

Date Considered: 7/25/00

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty. Dkt. No.	M#	Client Ref.
	0241552	GNC12US

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**



Date: February 9, 2001

Page

1

of

MARK OFF

Applicant: ELLIS

Appln. No.: 09/085,755

Filing Date: May 27, 1998

Examiner: B. EDELMAN

Group Art Unit: 2757

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
BE	AR 4,918,596	04/1990	NAKANO			
BE	BR 5,155,808	10/1992	SHIMIZU			
BE	CR 5,428,783	06/1995	LAKE			
BE	DR 5,546,594	08/1996	WAZUMI			
BE	ER 5,790,431	08/1998	AHRENS, Jr. et al.			
BE	FR 5,889,989	03/1999	Robertazzi et al.			

FOREIGN PATENT DOCUMENTS

Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
GR 0 853 279	07/1998	Europe	Nagaratnam et al.	Enclosed	No

OTHER (Including in this order: Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

BE	HR	McHenry et al., "An FPGA-Based Coprocessor for ATM Firewalls," Field-Programmable Custom Computing Machines 1997, 16-18 April 1997, pages 30-39, XP-002157218			
BE	IR	Alexandrov et al., "SuperWeb: Research Issues in Java-Based Global Computing," Concurrency, Vol. 9, No. 6, June 1997, pages 535-553			
BE	JR	Baratoo et al., "Charlotte: Metacomputing on the Web," 9th International Conference on Parallel and Distributed Computing Systems (PDCS), 1996, pages 1-8			
BE	KR	Brecht et al., "ParaWeb: Towards World-Wide Supercomputing," Proceedings of the Seventh ACM SIGOPS European Workshop, September 1996, 8 pages			
BE	LR	Capello et al., "Market-Based Massively Parallel Internet Computing," Proceedings Third Working Conference on Massively Parallel Programming Models, 1998, pages 118-129			
BE	MR	Fox et al., "Towards Web/Java based High Performance Distributed Computing-an Evolving Virtual Machine," www.npac.syr.edu/projects/webpace/doc/hpdc5/paper, June 10, 1996, 11 pages			
BE	NR	Fox et al., "Towards Web/Java based High Performance Distributed Computing-an Evolving Virtual Machine," as presented at 5th IEEE International Symposium on High Performance Distributed Computing, August 6-9, 1996, 86 pages			
BE	OR	Hayes, "Computing Science: Collective Wisdom," American Scientist, March-April 1998, pages 1-8			
BE	PR	Waldspurger et al., "Spawn: A Distributed Computational Economy," IEEE Transactions on Software Engineering, Vol. 18, No. 2, February 1992, pages 103-117, XP-002124500			

Examiner *Bradley Edelman*

Date Considered: 3/28/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.

RECEIVED
MAR 08 2001
Technology Center 2100

0241552

GNC12US

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: ELLIS III, Frampton E.

Appln. No.: 09/085,755

Filing Date: May 27, 1998

Examiner: B. Edelman

Group Art Unit: 2757

Date: March 7, 2001

Page 1 of 4

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
BE	AR 5,815,793	09/29/98	FERGUSON			
BE	BR 5,031,089	7/1991	LIU et al.			
BE	CR 5,103,393	4/1992	HARRIS et al.			
BE	DR 5,357,632	10/1994	PIAN et al.			
BE	ER 5,457,797	10/1995	BUTTERWORTH et al.			
BE	FR 5,515,511	5/1996	NGUYEN et al.			
BE	GR 5,586,121	12/1996	MOURA et al.			
BE	HR 5,594,491	1/1997	HODGE et al.			
BE	IR 5,608,448	3/1997	SMORAL et al.			
BE	JR 6,098,091	08/2000	KISOR			
BE	KR 4,827,508	05/1989	SHEAR			
BE	LR 4,969,092	11/1990	SHORTER			
BE	MR 5,025,369	06/1991	SCHWARTZ			
BE	NR 5,109,512	04/1992	BAHR et al.			

FOREIGN PATENT DOCUMENTS

Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
BE OR WO94/01964	1/1994	WIPO		Enclosed	No
BE PR WO95/01060	1/1995	WIPO		Enclosed	No
QR					

OTHER (including in this order Author, Title, Periodical Name, Date; Pertinent Pages, etc.)

BE	RR	White, "Covert Distributed Processing with Computer Viruses," Advances in Cryptology, Crypto 89, Springer LNCS, v. 435, pp. 616-619 1989			
	SR	Plotkin, "The Digital Compression Facility-A Solution to Today's Compression Needs," 1994 IEEE, pp 445-449			
	TR	Bevinakoppa et al., "Digital Image Compression on a Network of Transputers," Proc. of 5 th Australian Transputer & OCCAM User Group Conference, IOS Press, Amsterdam, pp. 25-32 Date Unknown			
	UR	Shen et al., "A Parallel Implementation of an MPEG1 Encoder: Faster than Real-Time!", Proc. Of SPIE Conf. On Digital Video Compression, San Jose, CA, Feb. 1995			
	VR	Litzkow et al., "Condor-A Hunter of Idle Workstations," Proc. Of the 8 th Int'l. Conf. On Distributed Computing Systems, IEEE, pp. 104-111, Jun. 1998			

Examiner *B. Edelman*

Date Considered: 3/28/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office



Atty.
Dkt. No.

M#

RECEIVED
MAR 08 2001
Technology Center 21612US

0241552

0241552

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Applicant: ELLIS III, Frampton E.

Appln. No.: 09/085,755

Filing Date: May 27, 1998

Examiner: B. Edelman

Group Art Unit: 2757

Date: March 7, 2001

Page

2

of

4

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
BE	AR 5,136,708	08/1992	LAPOURTE et al.			
BE	BR 5,341,477	08/1994	PITKIN et al.			
BE	CR 5,410,651	04/1995	SEKIZAWA et al.			
BE	DR 5,522,070	05/1996	SUMIMOTO			
BE	ER 5,568,375	10/1996	RAUSCH			
BE	FR 5,710,884	01/1998	DEDRICK			
BE	GR 5,758,077	05/1998	DANAHY et al.			
BE	HR 5,758,345	05/1998	WANG			
BE	IR 5,774,668	06/1998	CHOQUIER et al.			
BE	JR 5,815,665	09/1998	TEPER et al.			

FOREIGN PATENT DOCUMENTS

Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
KR				Enclosed	No

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

BE	LR	Vetter, R. et al., "Issues and Challenges in ATM Networks," Communications of the ACM, 2/1995; vol. 38, No. 2, pp. 28-29			
	MR	Vetter, R., "ATM Concepts, Architectures, and Protocols," Communications of the ACM, Feb. 1995; vol. 38, No. 2, pp. 30-38, 109			
	NR	Kim, B., "ATM Network: Goals and Challenges," Communications of the ACM, Feb. 1995, vol. 38, No. 2, pp. 39-44, 109			
	OR	Sachs, M. et al., "LAN and I/O Convergence: A Survey of the Issues," Computer, Dec. 1994, pp. 24-32			
	PR	Fox, E., "Advances in Interactive Digital Multimedia Systems," Computer, Oct. 1991, pp. 9-21			
	QR	Lindley, C., "JPEG-Like Image Compression, Part 1," Dr. Dobb's Journal, Jul. 1995, pp. 50-58, 101-102			
	RR	Lindley, C., "JPEG-Like Image Compression, Part 2," Dr. Dobb's Journal, Aug. 1995, pp. 62-66, 102-105			
	SR	Ozer, J., "Why MPEG is Hot," PC Magazine, Apr. 11, 1995, pp. 130-131			
	TR	Theimer et al., "Finding Idle Machines in a Workstation-Based Distributed System," IEEE Trans. On Software Engineering, vol. 15, No. 11, pp. 1444-1458, Nov. 1989			

Examiner: *B. Edelman*

Date Considered: 3/28/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.



RECEIVED
MAR 08 2001
SNC1208
Technology Center 2100

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

0241552

Applicant: ELLIS III, Frampton E.

Appln. No.: 09/085,755

Filing Date: May 27, 1998

Date: March 7, 2001

Page 3 of 4

Examiner: B. Edelman

Group Art Unit: 2757

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
BE	AR 5,881,284	03/1999	KUBO			
BE	BR 5,964,832	10/1999	KISOR			
BE	CR 6,052,555	04/2000	FERGUSON			
BE	DR 5,844,594	12/1998	FERGUSON			
BE	ER 6,112,243	08/2000	DOWNS et al.			

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
	FR					

OTHER (Including in this order: Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

	GR	Ozer, "Digital Video: Shot by Shot," PC Magazine, Apr. 11, 1995, pp. 104-107, 110				
BE	HR	Yoshida, J., "MPEG-2 encoders make show of force at NAB," Electronic Engineering Times, Apr. 10, 1995				
	IR	Gemmell et al., "Multimedia Storage Servers: a Tutorial," Computer, May 1995, pp. 40-49				
	JR	Fogg, C., "Survey of software and hardware VLC architectures," SPIE, vol. 2186, Image and Video Compression (1994), pp. 29-37				
	KR	Szabo, B., et al., "Design considerations for JPEG Video and Synchronized Audio in a Unix Workstation Environment," USENIX-Summer '91, pp. 353-368				
	LR	Nass, R., "Hardware-software combo could simplify MPEG real-time video compression," Electronic Design, May 3, 1993, p. 36				
	MR	Schroeder, E., "New offerings buoy MPEG as video standard," Desktop Computing, PC Week, May 8, 1995, pp. 1&29				
	NR	Yu, Y. et al., "Software Implementation of MPEG-II Video Encoding Using Socket Programming in LAN," SPIE vol. 2187, pp. 229-240, 1994				
	OR	Clark, H. et al., "DAWGS-A Distributed Computer Server Utilizing Idle Workstations," Proc. Of the 5 th Distributed Memory Computing Conf., IEEE, pp. 732-741, April 1990				
	PR	Blumofe, R. et al., "Scheduling Large-Scale Parallel Computations on Networks of Workstations," Proc. Of the 3 rd IEEE Int'l Symp on High Performance Distributed Computing, pp. 96-105, Aug. 1994				
	QR	Celenk, M. et al., "Parallel Task Execution in LANs and Performance Analysis," Proc. Of the 1995 IEEE 14 th Annual Int'l Phoenix Conf. On Computers and Communications, pp. 423-429, Mar. 1995				

Examiner *B. Edelman*

Date Considered: 3/28/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office



RECEIVED
MAR 08 2001
Technology Center 2200
Patent Ref. 0241552

**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

Atty.
Dkt. No.

M#

Applicant: ELLIS III, Frampton E.

Appln. No.: 09/085,755

Filing Date: May 27, 1998

Examiner: B. Edelman

Group Art Unit: 2757

Date: March 7, 2001

Page 4 of 4

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
	AR					
	BR					
	CR					
	DR					
	ER					

FOREIGN PATENT DOCUMENTS

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
	FR					

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

BE	GR	Kremien, O., "Buying and Selling Computational Power Over the Network," Proc. Of the 4 th Int'l. Conf. On Computer Communications and Networks, IEEE, pp. 616-619, Sep. 1995				
	HR	Chen, C. et al., "The DBC: Processing Scientific Data Over the Internet," Proc. Of the 16 th Int'l. Conf. On Distributed Computing Systems, pp. 673-679, May 1996				
	IR	Shiuan, J. et al., "Client-Server Based Ray-Tracer Using ASTRA: An Asynchronous RPC Mechanism," Computer Communications, vol. 19, No. 5, pp. 445-455, May 1996				
	JR	Morris, J., et al., "Fault Tolerant Networks of Workstations," Proc. Of the 3 rd Int'l. Conf. On High Performance Computing, IEEE, pp. 271-276, Dec. 1996				
	KR					
	LR					
	MR					
	NR					
	OR					
	PR					
	QR					

Examiner *B. Edelman*

Date Considered: 3/28/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FGRM PTO-1449 (modified)
To: U.S. Department of Commerce
(PW FORM PAT-1449)
Patent and Trademark Office

Atty.
Dkt. No.

M#

Client Ref.

0241552

GNC12US

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant: ELLIS

Appln. No.: 09/085,755

Filing Date: May 27, 1998

Examiner: D. DINH

Group Art Unit: 2153

Date: May 16, 2001

MAY 16 2001

Page 1

of

1

U.S. PATENT DOCUMENTS

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
AR	5,678,028	10/1997	Bershteyn et al.			
BR	5,794,059	08/1998	Barker et al.			
CR	6,112,225	08/2000	Kraft et al.			
DR	5,361,362	11/1994	Benkeser et al.			
ER	5,109,329	04/1992	Strelioff			
FR	5,850,449	12/1998	McManis			
GR						
HR						
IR						
JR						
KR						

RECEIVED
MAY 17 2001
Technology Center 2100

FOREIGN PATENT DOCUMENTS

Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract	Translation Readily Available
LR	WO 98/26366	06/1998	WIPO	ELLIS	
MR					
NR					
OR					
PR					

OTHER (Including in this order: Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

QR	Sakano et al., "A Three-Dimensional Mesh Multiprocessor System Using Board-to-Board Free-Space Optical Interconnects: COSINE-III," IEEE, 1993, pages 278-283, XP 000463415			
RR	Nowatzky et al., "Are Crossbars Really Dead? The Case for Optical Multiprocessor Interconnect Systems," Proceedings of the Annual Symposium on Computer Architecture, ACM, volume 22, June 1995, pages 106-115, XP 000687800			
SR	Qiao et al., "Time-Division Optical Communications in Multiprocessor Arrays," ACM, 1991, pages 644-653, XP 000337522			
TR	"Means for Implementing Optical Interconnections for Parallel Processors," IBM Technical Disclosure Bulletin, April 1991, Vol. 33, No. 11, pages 56-58, XP 000110310			
UR	"Ein-Chip-Firewall," Elektroniknet Top News, XP-002164257	Date Unknown	X	X
VR	Rincon et al., "The Changing Landscape of System-on-a-Chip Design," MicroNews, Third Quarter 1999, www.chips.ibm.com/micronews/vol5_no3/rincon.html, pages 1-10, Vol. 5, No. 3			

Examiner

D. DINH

Date Considered:

11/2/01

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

Notice of References Cited	Application/Control No. 09/085,755	Applicant(s)/Patent Under Reexamination ELLIS, III, FRAMPTON ERRO	
	Examiner Dung Dinh	Art Unit 2153	Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-			
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)			
*	U	The American Heritage College Dictionary 4th Ed. - defintion of 'firewall'. 2004			
	V				
	W				
	X				

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
 Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.